In [ ]:
```
#Introduction to slicing of lists
```

In [ ]:
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In [ ]:
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#General synatax of slicing:
mainvar[startvalue:stopvalue:stopcount] #totally based upon indexing
```

In [1]:
```
cars = ['merc','bmw','jaguar','audi','tesla']
```

In [2]:
```
print(cars)
```

```
['merc', 'bmw', 'jaguar', 'audi', 'tesla']
```

In [3]:
```
cars.sort()
```

In [4]:
```
print(cars)
```

```
['audi', 'bmw', 'jaguar', 'merc', 'tesla']
```

In [5]:
```
cars[0:2]
```

Out[5]:
```
['audi', 'bmw']
```

In [6]:
```
cars[2:4]
```

Out[6]:
```
['jaguar', 'merc']
```

In [ ]:
```

```

In [12]:
```
#Get alternative names #stepcount
```

In [13]:
```
print(cars[0:4:2])
```

```
['audi', 'jaguar']
```

In [14]:
```
print(cars[1:5:2])
```

```
['bmw', 'merc']
```

In [15]:
```
print(cars[0:5:2])
```

```
['audi', 'jaguar', 'tesla']
```

In [ ]:
```

```

In [16]:
```
#Introduction to negative indexing:
```

In [17]:
```
#Negative indexing will be starting from -1, -2, -3...
```

In [18]:
```
marvel = ['spiderman','deadpool','ironman','hulk','thor','captain ameri
ca','drstrange' ]
```

In [19]:
```
print(marvel)
```

```
['spiderman', 'deadpool', 'ironman', 'hulk', 'thor', 'captain america',
'drstrange']
```

In [20]:
```
marvel.sort()
```

In [21]:
```
print(marvel)
```

```
['captain america', 'deadpool', 'drstrange', 'hulk', 'ironman', 'spider
man', 'thor']
```

In [22]:
```
print(marvel[6])
```

```
thor
```

In [23]:
```
print(marvel[0])
```

```
captain america
```

In [24]:
```
print(marvel[-1])
```

```
thor
```

In [25]:
```
print(marvel[-5])
```

```
drstrange
```

In [ ]:
```

```

In [26]:
```
#Print list in reverse order using the concept of indexing
```

In [27]:
```
print(marvel[::-1])
```

```
['thor', 'spiderman', 'ironman', 'hulk', 'drstrange', 'deadpool', 'capt
ain america']
```

In [ ]:
```

```